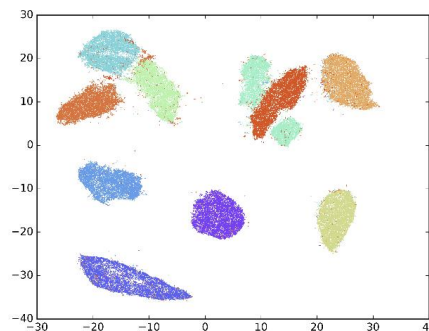


Weekly report (2017-8-14 ----- 2017-8-20)

Aug 20th, 2017, 17:46 pm

1. Programming

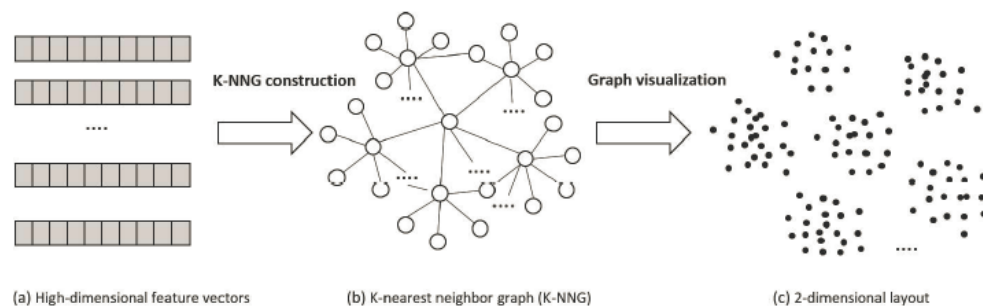
Run the LargeVis on Ubuntu successfully, test the MINST database and get a result.



2. Research

2.1 paper reading

1. Visualizing Large-scale and High-dimensional Data



This paper proposes the method of LargeVis is similar to the improved algorithm of t-SNE. The author proposes an efficient algorithm to construct an approximate K-nearest neighbor graph from large-scale, high-dimensional data. The author projects the nodes of the graph into a 2D/3D space. He introduces a principled probabilistic model and it can preserve the similarities of the vertices in the low-dimensional space.

3. Progress

Table 1. Progress

Tasks	DUE DATE	TASKS IN PROGRESS
Dimensionality reduction	Sept 30 th , 2017	Transform the bh-SNE from single core into multicore